



NORTH DAKOTA STATE DEPARTMENT OF HEALTH  
Air Pollution Control Program  
1200 Missouri Avenue  
Bismarck, North Dakota 58505

ANNUAL EMISSION INVENTORY REPORT  
FORM AP 301  
FUEL BURNING EQUIPMENT USED FOR INDIRECT HEATING  
Calendar Year 1976

1. Name of Firm or Organization: BASIN ELECTRIC POWER COOPERATIVE
2. Plant Location: Stanton, ND
3. Permit to Operate Number: \_\_\_\_\_
4. Source Unit Number (from Permit to Operate): 2 (two)
5. Type and Quantity of Fuel Used:

	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u> Quantity per year <u>1,958,680</u> (Specify Units)	Type _____ Quantity per year _____ (Specify Units)
	Delivered Cost of fuel <u>\$3.81</u> (\$/Unit Quantity)	Delivered Cost of fuel _____ (\$/Unit Quantity)
PERCENT ASH (Solid Fuel Only) Max. Min. Avg.	13.26 7.11 9.07	
PERCENT SULFUR Max. Min. Avg.	.74 .19 .45	
BTU PER UNIT Max. Min. Avg.	7310 6010 6570	

6. Monthly Fuel Use:

QUANTITY			QUANTITY		
MONTH	PRIMARY FUEL	STANDBY FUEL	MONTH	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u> Units <u>Tons</u>	Type _____ Units _____		Type <u>Lignite</u> Units <u>Tons</u>	Type _____ Units _____
Jan.	176,928		July	215,368	
Feb.	136,696		Aug.	252,760	
March	205,080		Sept.	140,290	
April	157,332		Oct.	127,610	
May	86,649		Nov.	209,008	
June	117,110		Dec.	133,849	

7. Hourly Fuel Use:

	QUANTITY	
	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u> Units <u>Tons</u>	Type _____ Units _____
Maximum	449	
Average	289	

8. Normal Schedule of Operation:

Hours Per Day 24 Weeks Per Year 49

Days Per Week 7 Peak Season Base Load  
(Specify Months of Year)

Total Hours Per Year 6776

9. Stack Emissions:

POLLUTANT	QUANTITY POUNDS PER HOUR (AVERAGE)	TONS PER YEAR
Particulate	81	275
Sulfur Dioxide	4,938	16,731
Nitrogen Oxides	1,320	4,460
Other (Specify)	16% Opacity	

Basis For Quantities Listed Above:

Particulates - Precipitator performance tests

SO<sub>2</sub>, NO<sub>x</sub> and Opacity - Stack gas monitor

10. Name of Person Submitting Report (Print or Type) Kent E. Janssen

Title Manager of Production

Phone 223-0441

*I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge and belief is a true, correct, and complete report.*

(Signed)

Kent E. Janssen

Date 3/14/77